

one eighth inch = one foot

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VA FORM 08-6231, OCT 1978

## DEPARTMENT OF VETERAN'S AFFAIRS CORRECT POTABLE WATER DEFICIENCIES - BLDGS. 256/257

VA PROJECT NO. 691-15-115WL

11301 WILSHIRE BOULEVARD LOS ANGELES. CA 90073



Management

256/257

Drawing Number

VA MEDICAL CENTER

WEST LOS ANGELES, CA 90073

		LO:	S ANGELES, C	A 90073			
GENERAL NOTES		APPLICABLE CODES AND STANDARDS	PLUMBING	LEGEND	PROJECT LOCATION		TABLE OF CONTENTS
. CONTRACTOR SHALL VERIFY EXACT LOCATION OF EXISTING LINES, LATERALS AND TEES BEFORE STARTING. SHOULD IT BE NECESSARY TO RE-ROUTE LINES DUE TO CONDITIONS FOUND ON THE SITE OR IF INDICATED P.O.C. CANNOT BE MADE TO THE LINES AS FOUND, THE CONTRACTOR SHALL NOTIFY THE OWNER/ENGINEER	13. THE SEISMIC BRACING AND ANCHORAGE OF PIPING SHALL BE IN ACCORDANCE WITH GUIDELINES FOR SEISMIC RESTRAINTS OF MANUAL GUIDELINES FOR MECHANICAL SYSTEMS PUBLISHED BY SMACNA OR MASON. IN ADDITION CONTRACTOR SHALL PROVIDE TENTATIVELY SPACE LATERAL BRACES EVERY 40 FT MAXIMUM	* VA DIRECTIVES, DESIGN MANUALS, MASTER SPECIFICATIONS, VA NATIONAL CAD STANDARD APPLICATION GUIDE, AND OTHER GUIDANCE ON THE TECHNICAL INFORMATION LIBRARY.		DESCRIPTION  COLD WATER  HOT WATER	University of California-La	I P001 I	DRAWING NAME PLUMBING LEGEND, NOTES, TABLE OF CONTENTS, PROJECT LOCATION, AND VICINITY PLAN
BEFORE INSTALLING ANY WORK WHICH MAY BE AFFECTED.  ALL WORK SHALL BE DONE IN COMPLIANCE WITH THE LATEST CURRENT EDITION OF THE CALIFORNIA & INTERNATIONAL PLUMBING CODE (IPC) & REGULATIONS, TITLE 24, VA REQUIREMENTS, TITLE 19 & ALL APPLICABLE CODES AND	(4" & UNDER) & 30 FT MAX. (6" & LARGER) DISTANCE ALONG MAINS AND TENTATIVELY SPACE LONGITUDINAL BRACES EVERY 80 FT MAXIMUM (4" & UNDER) & 60 FT MAX. (6" & LARGER) DISTANCE ALONG MAINS. LATERAL BRACES SHOULD MEET THE PIPING AT RIGHT ANGLES, AND LONGITUDINAL BRACES SHOULD BE ALIGNED WITH THE PIPING. IN ADDITION BRACES SHALL BE	* INTERNATIONAL BUILDING CODE, EDITION 2015.  * INTERNATIONAL PLUMBING CODE, EDITION 2015.  * NATIONAL FIRE PROTECTION ASSOCIATION FIRE CODES WITH THE	HWR	HOT WATER RETURN  EXISTING COLD WATER	California-La  2  UCLA Medical Center  3		PLUMBING FIXTURE SCHEDULE AND HYDRAULIC CALCULATIONS PLUMBING BASEMENT FLOOR DEMOLITION PLAN
REGULATIONS.  ALL EXISTING PLUMBING LINES SHOWN ARE TAKEN FROM EXISTING DRAWINGS WHICH INDICATE APPROXIMATE LOCATION ONLY. THE CONTRACTOR IS TO INCLUDE IN HIS BID TO PERFORM FIELD INVESTIGATION TO PIN POINT THE EXACT LOCATION AS REQUIRED	PROVIDE ON EVERY PIPING ABOVE CEILING OR BEL ROOF WHEN CHANGES OF DIRECTION (ELBOWS) OCCUR.  14. PROVIDE UTILITY PIPE LABELS AND FLOW DIRECTION AS REQUIRED.	SCOPE OF WORK	—— EHWR —— EHWR	EXISTING HOT WATER  EXISTING HOT WATER RETURN  CHECK VALVE	Heights  Los Angeles  National Cemetery  Westwood Village		PLUMBING FIRST FLOOR DEMOLITION PLAN PLUMBING SECOND FLOOR DEMOLITION PLAN
FOR DEMOLITION OR MAKING NEW CONNECTION.  INTERRUPTION OF EXISTING SERVICES: THE CONTRACTOR'S ATTENTION IS CALLED TO THE PRESENCE OF EXISTING, CONDUIT, PIPING, ETC. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE PROPER AND APPROVED REPAIR OF ANY AND ALL DAMAGE	15. VERIFY EXISTING CONDITIONS AT THE SITE PRIOR TO MATERIAL AND EQUIPMENT PURCHASE AND FABRICATION.	<ol> <li>THE SCOPE OF THIS PROJECT IS TO REPLACE ALL EXISTING GALVANIZED AND OLD/WORN COPPER HOT AND COLD WATER PIPING WITH NEW COPPE PIPING. PROVIDE NEW LINE—SIZE SHUT OFF VALVES AND MAIN ISOLATION VALVES AS INDICATED ON PLANS.</li> <li>PROVIDE NEW LINE—SIZE SHUT—OFF VALVE AS INDICATED ON PLANS.</li> </ol>	PER POC	POINT OF CONNECTION  POINT OF DISCONNECTION	Veterans Administration Med Center  Westwood Park  6		PLUMBING BASEMENT FLOOR REMODEL PLAN
CAUSED BY HIM OR HIS WORK TO EXISTING BUILDINGS, CONDUIT, PIPING, PLANTS, ETC. NEW WORK AND INSTALLATIONS SHALL BE MADE WITH MINIMAL INTERRUPTIONS OF SERVICES TO EXISTING BUILDINGS. FINES ARE A MINIMUM OF \$2,500 PER INCIDENT. ANY INTERRUPTIONS REQUIRED SHALL BE SCHEDULED TO MINIMIZE INCONVENIENCE TO THE OWNER, AND AT TIMES AS APPROVED IN	<ul> <li>16. EXISTING WORK DAMAGED OR CUT INTO DURING CONSTRUCTION SHALL BE PATCHED OR REPAIRED, PAINTED OR FINISHED TO MATCH EXISTING ADJACENT SURFACES IN TEXTURE, FINISH AND COLOR.</li> <li>17. EXISTING PIPING SHOWN ARE APPROXIMATE LOCATION ONLY AND</li> </ul>	3. PROVIDE NEW LINE-SIZE AREA ISOLATION VALVES AS INDICATED ON PLANS.  4. PROVIDE NEW LINE-SIZE BALANCING VALVES AS INDICATED ON PLANS.  CODE REQUIREMENTS			Brentwood Country Club Herberg Sala Harris and Sala Sala Sala Sala Sala Sala Sala Sal		PLUMBING FIRST FLOOR REMODEL PLAN PLUMBING SECOND FLOOR REMODEL PLAN
ADVANCE BY THE ENGINEER. NEW WORK AND INSTALLATIONS SHALL NOT IMPAIR THE PROPER FUNCTIONING OF THE EXISTING FACILITY. THE COMPLETED PROJECT SHALL BE A PROPERLY FUNCTIONING ENTITY THROUGHOUT. FURNISH ALL LABOR AND MATERIALS REQUIRED TO RELOCATE, REMOVE, REINSTALL, RECONNECT, REPLACE, ETC., ANY EXISTING PIPING TO ACCOMMODATE THE WORK.	SHOULD NOT BE CONSIDERED AS A COMPLETE SURVEY OF EXISTING PIPING.  18. BEFORE ANY WORK IS STARTED, VERIFY LOCATIONS AND SIZES OF NOTED EXISTING PIPING. DISCREPANCIES BETWEEN FIELD DATA AND DATA ON PLANS AND SPECIFICATIONS SHALL BE REPORTED TO	A. THE INTENT OF THE DRAWINGS IS TO UPGRADE THE EXISTING DOMESTIC WATER SYSTEMS FOR BUILDINGS 256 AND 257 OF THE DEPARTMENT OF VETERANS AFFAIRS WEST LOS ANGELES HEALTH CARE SYSTEM IN	G+ +⊖+	PIPE-DOWN OR DROP  PIPE-UP OR RISER	9 10 Stoner (c) Stoner (c)		PLUMBING HOT AND COLD WATER RISER DIAGRAMS — BUILDING 256 PLUMBING HOT AND COLD WATER RISER DIAGRAMS — BUILDING 256
MATERIALS SHALL BE AS SPECIFIED UNLESS OTHERWISE APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL INCLUDE IN HIS BID ANY EXTRA WORK REQUIRED TO MINIMIZE SHUTDOWN TIME.  CUTTING, BORING, SAW CUTTING OR DRILLING THROUGH THE	THE VA REPRESENTATIVE. DO NOT PROCEED WITH INSTALLATION IN AREAS OF DISCREPANCY UNTIL DISCREPANCIES HAVE BEEN RESOLVED.  19. NO HOLES SHALL BE DRILLED OR CUT IN OR THROUGH ANY STRUCTURAL ELEMENT WITHOUT APPROVAL OF THE VA	ACCORDANCE WITH LIFE SAFETY CODE AND STANDARDS. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH SAID CONSTRUCTION STANDARDS. A CHANGE ORDER DETAILING AND SPEECHIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY VA CONTRACTING OFFICER BEFORE PROCEEDING WITH THE WORK.	ON .	WATER HAMMER ARRESTER  BALANCING VALVE	Douglas Park Park  Olympic Blvd I  N Pico Blvd  N Pico Blvd	1 257-PD200.1 F	PLUMBING LOWER BASEMENT FLOOR DEMOLITION PLAN
EXISTING, BORING, SAW COTTING OR BRILLING THROUGH THE EXISTING OR NEW STRUCTURAL ELEMENTS IS NOT TO BE STARTED JINTIL THE DETAILS HAVE BEEN REVIEWED AND APPROVED BY THE STRUCTURAL ENGINEER AND THE FIELD ENGINEER IF THE DETAILS DO NOT SHOW OR CONFORM TO THE APPROVED DRAWINGS.  CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL	REPRESENTATIVE.  20. DETAILS INCLUDED HEREIN ARE INTENDED TO SHOW END RESULTS OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB CONDITIONS OR SITUATIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE SCOPE OF WORK.	B. ALL ADDENDA AND CHANGE ORDERS SHALL BE SIGNED BY THE CONTRACTING OFFICER. RESPONSIBILITIES OF ARCHITECT/ ENGINEER OF RECORD, CONSULTANTS, AND GENERAL CONTRACTOR SHALL BE IN ACCORDANCE WITH VA CONSTRUCTION STANDARDS.			St John's Health Certer Republic and Park Park Park 12		PLUMBING BASEMENT FLOOR DEMOLITION PLAN PLUMBING FIRST FLOOR DEMOLITION PLAN
PERMITS, AND PAYING ALL FEES REQUIRED TO PERFORM ALL WORK SHOWN ON THE DRAWINGS.  CONTRACTOR SHALL VISIT THE SITE, INCLUDING ALL AREAS INDICATED ON DRAWINGS. HE SHALL THOROUGHLY FAMILIARIZE	21. SEAL PENETRATIONS THROUGH FIRE—RATED AREAS WITH U.L. LISTED AND FIRE MARSHALL APPROVED MATERIALS.  22. PROVIDE WATER HAMMER ARRESTER WITH ACCESS PANEL AT	C. ALL ADDENDA AND CHANGE ORDERS SHALL BE SIGNED BY THE CONTRACTING OFFICER. RESPONSIBILITIES OF ARCHITECT/ ENGINEER OF RECORD, CONSULTANTS, AND GENERAL CONTRACTOR SHALL BE IN ACCORDANCE WITH VA CONSTRUCTION STANDARDS.	ABBREVIATION	/IATIONS  DESCRIPTION	PROJECT LOCATION 15		PLUMBING SECOND FLOOR DEMOLITION PLAN PLUMBING LOWER BASEMENT FLOOR REMODEL PLAN
HIMSELF WITH THE EXISTING CONDITIONS AND BY THE ACT OF SUBMITTING A BID ACCEPTS THESE CONDITIONS UNDER WHICH HE WILL BE REQUIRED TO WORK.  INSTALL ISOLATION UNIONS ON ALL CONNECTIONS BETWEEN DISSIMILAR METALS (GALVANIZED STEEL, BLACK STEEL TO	QUICK-CLOSING FIXTURES AS REQUIRED.  23. PROVIDE TWO LAMINATED VALVE CHARTS. THE CHARTS SHALL PROVIDE THE VALVE NUMBER, SIZE AND LOCATION. ONE CHART SHALL BE GIVEN TO THE VA ADMINISTRATOR AND ONE CHART TO THE MAINTENANCE AND OPERATIONS AREA.	D. CONSTRUCTION SHALL CONFORM TO VETERAN ADMINISTRATION CONSTRUCTION STANDARDS, GOVERNMENTAL AGENCIES AND CODES HAVING JURISDICTION INCLUDING BUT NOT LIMITED TO:  VA STANDARD TITLE / SECTION	ABV ABOVE  CW COLD WATER		16	S 257-PL200 F	PLUMBING BASEMENT FLOOR REMODEL PLAN
OPPER). CONNECTIONS PIPED SHALL BE WITH TWO (2) IELECTRIC UNIONS AND 12" SECTION OF RED BRASS PIPE IN ETWEEN.  AKE ALL TESTS REQUIRED BY ALL LEGALLY CONSTITUTED	24. EACH VALVE SHALL BE NUMBERED AND TAGGED.  25. PAINTING: IF THE DAMAGED WALL, FLOOR OR CEILING REQUIRES PAINTING WHICH EXCEEDS 50% OF THE WHOLE AREA OF ONE SIDE	1. MASTER CONSTRUCTION SPECIFICATION INDEX (PG-18-1) 2. VHA PROGRAM GUIDE (PG-18-3) DESIGN AND CONSTRUCTION PROCEDURE 3. EQUIPMENT GUIDE (PG-18-5) 4. EQUIPMENT REF. MANUAL (PG-18-6)	RES. BELOW  (N) NEW  (E) EXISTING		17		PLUMBING FIRST FLOOR REMODEL PLAN PLUMBING SECOND FLOOR REMODEL PLAN
AUTHORITIES. PAY FOR ALL CONNECTIONS FEES, PERMIT FEES, ASEMENT FEES, VARIANCES, TEST AND INSPECTION FEES AS REQUIRED. ALL OF PLUMBING /EQUIPMENT AND PIPING SHALL BE BRACED AND /OR ANCHORED TO RESIST LATERAL FORCES ACTING IN	OF THE WALL, FLOOR OR CEILING, THE ENTIRE SIDE SHALL BE PAINTED. PAINT ALL EXPOSED PIPES AND SUPPORTS TO MATCH ADJACENT WALL OR CEILING COLOR.  26. PROVIDE NEW PIPE SUPPORTS AND HANGERS.	5. VA HANDBOOK H-18-8, SÈISMIC DEŚIGN REQUIREMENTS. 6. VA PLUMBING DESIGN MANUAL 7. VA FIRE PROTECTION MANUAL  REFERENCE CODES	FLR. FLOOR HDR HEADER		19		PLUMBING HOT AND COLD WATER RISER DIAGRAMS — BUILDING 257 PLUMBING DETAILS
ANY DIRECTION PER CBC1988 SECTION 1632A.  A. COEFFICIENTS IN CBC SECTION 1632A FORMULAS SHALL BE:  Ip=1.15  Ca=0.44 Z= .4	<ul> <li>27. PATCH ALL PLASTER WALLS AND CEILING TO MATCH EXISTING TEXTURE. PAINT ALL PLASTER PATCHES TO MATCH EXISTING. PATCH ALL TILE WALLS TO MATCH EXISTING.</li> <li>28. INSULATE ALL HOT WATER SUPPLY AND RETURN PIPING.</li> </ul>	1. 2015 INTERNATIONAL BUILDING CODE (IBC) 2. 2015 NATIONAL ELECTRICAL CODE (NEC) 3. 2015 INTERNATIONAL MECHANICAL CODE (IMC) 4. 2015 INTERNATIONAL PLUMBING CODE (IPC)	NTS NOT TO SCAL  PSI POUNDS PER S	E			LOMBING DETAILS
B. PLUMBING SYSTEM SHALL BE BRACED PER CBC 1632A.6  CLEANING  A. PIPING, AND RELATED VALVES AND APPURTENANCES,	29. CONTRACTOR TO RECONNECT EXISTING BONDING TO WATER LINES.	5. OSHA — OCCUPATIONAL SAFETY AND HEALTH STANDARDS 6. ASHRAE — 62.1 VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY. 7. ALL NFPA NATIONAL FIRE CODES EXCEPT NFPA 900 AND 5000. 8. UNIFORM FEDERAL ACCESSIBILITY STANDARDS (UFAS) INCLUDING VA SUPPLEMENT BARRIER FREE DESIGN.	SHT SHEET  SOV SHUT-OFF VAL			/ICINITY MAP	
ETC.: THOROUGHLY CLEAN SO AS TO REMOVE RUST, SCALE, PLASTER OR ANY INTERNAL OBSTRUCTIONS.  B. COMPLETION: UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL REMOVE ALL RUBBISH, DEBRIS, AND SURPLUS MATERIALS, RESULTING THEREFROM FROM THE	DEMOLITION NOTES  1. CONTRACTOR SHALL REMOVE THE EXISTING PIPING AFTER	REMODEL NOTES  1. ALL EXISTING PIPING AND EQUIPMENT THAT IS REMOVED SHALL BE DISPOSED OF BY CONTRACTOR.	SQ. FT. SQUARE FEET SIM. SIMILAR		PROJECT BUILDINGS —	(O.E LEASE)	TRANSPORTATION  12  PARKING AREA NO. 43  12  12  137  141  10  10  12  10  10  10  10  10  10  1
PREMISES TOGETHER WITH ALL TEST INSTRUMENTS, AND CONSTRUCTION EQUIPMENT AND SHALL LEAVE THE SITE IN A NEAT, CLEAN AND ACCEPTABLE CONDITION AS APPROVED BY VA.	INSTALLING THE NEW MAIN PIPING. THIS SHALL MINIMIZE THE INTERRUPTION OF THE EXISTING BUILDING WATER SUPPLY.  2. THE DISCONNECTION AND RECONNECTION TO THE RISERS SHALL BE DONE DURING AFTER HOURS.	2. NEW PIPING AND VALVING SHALL BE INSTALLED UP TO CONNECTION POINTS SO THAT DOWN TIME FOR FINAL CONNECTIONS SHALL BE MINIMUM.  3. ALL NEW MATERIALS SHALL BE AVAILABLE BEFORE CONNECTIONS	TYP. TYPICAL  W/ WITH  FU FIXTURE UNIT		97 BOUNDRY  METER PIT  BOUNDRY  BOUNDRY	COMPACTOR  SERGIN  SERGIN  T-68  PARKING  AREA	Description of the parking area no.2
A. ENTIRE NEW PIPE SYSTEMS SHALL BE FLUSHED AND CLEANED OF ALL FOREIGN MATTER BEFORE THEY ARE PLACED IN SERVICE. THE LENGTH AND NUMBER OF FLUSHING CYCLES SHALL BE GOVERNED BY THE COMPLEXITY OF THE SYSTEM, BUT IN NO CASE LESS THAN TWO (2) CYCLES. UNLESS OTHERWISE INDICATED IN THE SPECIFICATION.	<ol> <li>CONTRACTOR SHALL COORDINATE WITH VA MAINTENANCE SERVICES FOR SCHEDULE OF SHUT DOWN OF THE EXISTING SERVICES.</li> <li>ALL (E) ABANDONED PIPING INSIDE (E) WALLS FROM PREVIOUS RENOVATION PROJECTS TO BE DEMOLISHED.</li> </ol>	<ol> <li>ALL NEW MATERIALS SHALL BE AVAILABLE BEFORE CONNECTIONS ARE ATTEMPTED.</li> <li>DEMOLITION OF MATERIALS AND EQUIPMENT SHALL BE DONE AS EXPEDITIOUSLY AS POSSIBLE SO AS NOT TO INTERFERE WITH THE BUILDING'S NORMAL OPERATION.</li> <li>UPON COMPLETION, THE ENTIRE PIPING SYSTEM SHALL BE FLUSHED.</li> <li>PROVIDE WATER PIPING DISINFECTION TO ENTIRE BUILDING WATER SYSTEM AS INDICATED IN THE SPECIFICATIONS.</li> </ol>			SCHOOL LEASE AREA. 46 AORE  DISALL AV  APARESE GARDEN  BRENTINGS  PARENTINGS	STANDS  STANDS  STANDS  PARKING AREA  NO.20  PARKING AREA  NO.20  PARKING AREA  NO.19  PARKING AREA  PARKIN	PARKING  ANTINO  PARKING  ANTINO  PARKING  ANTINO  PARKING  ANTINO  PARKING  PARKING
B. FLUSHING SHALL BE PERFORMED USING A SIMILAR MEDIA THAT IS TO BE CARRIED BY THE PIPING SYSTEM (EXAMPLE: COLD WATER PIPING — WATER; ETC). UNLESS OTHERWISE INDICATED IN THE SPECIFICATIONS.		<ol> <li>PROVIDE WALL/CEILING ACCESS PANEL AT ALL NEW SHUT-OFF VALVES, BALANCING VALVES, AND WATER HAMMER ARRESTERS LOCATIONS AS REQUIRED. IF THESE VALVES ARE LOCATED IN AN ACCESSIBLE PIPE CHASES, ACCESS PANEL IS NOT REQUIRED.</li> <li>REPLACE ALL (E) SINKS AND LAVATORIES ANGLE STOP VALVES WITH NEW.</li> </ol>			DEFINITION OF THE PARKING AREA NO.26	MO.18  MAC AR HUR AVE  PARKING AREA  NO.23	TRU ROUNDRY NOR  PARKING AREA NO.17  PARKING AREA NO.17
CD SUBMITTAL 08/05/15 ARCH	HITECT/ENGINEERS/CONSULTANTS:		ROJECT ENGINEER (138E)	CHIEF, OCCUPATIONAL SAFETY AND HEAL	Drawing Title PLUMBING LEGEND, NOTES, TABLE OF		Project Number 691-15-115-WL
		PROFESS IONAL CONTROL OF THE PROFESS IONAL CO	NOULOT LINGINELIN (TOUE)	JOINEL, OCCUPATIONAL SAFETT AND REAL	CONTENTS, PROJECT LOCATION, AND		Building Number Facilities

CHIEF, PROJECT SECTION (138E)

CHIEF, ENGINEERING DEPT. (138)

CHIEF, MAINT. & OPERATIONS OFFICE (138F)

No: M029448 Exp. 06/30/17

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CHIEF, ENV. MANAGEMENT DEPT. (137)

DIR., FACILITIES MANAGEMENT (10A4)

CHIEF OF STAFF (11)